

### AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled. The listing of claims will replace all prior versions, and listing of claims in the application.

#### Listing of Claims

1. (Currently Amended) A method for photochemical treatment, the-method comprising:  
providing a stream of liquid to be disinfected having a predetermined flow rate; and  
directing, within said stream of liquid to be disinfected, UV-radiation ~~within said stream of liquid~~ to disinfect the liquid such that the liquid to be disinfected serves as a flowing liquid wave guide carrying the UV-radiation making use of total internal refraction of the UV radiation[[:]].
2. – 3. (Cancelled)
4. (Original) The method of Claim 1, wherein said UV-radiation is generated by a laser source.
5. – 15. (Cancelled)
16. (Previously Presented) The method of Claim 1, wherein said liquid having a refractive index greater than a refractive index of the surrounding.
17. (Previously Presented) The method of Claim 1, wherein the UV-radiation being UVA-radiation, UVB-radiation or UVC-radiation.
18. (Previously Presented) The method of claim 1, wherein the liquid being water or wastewater.